Aero Design Ltd.

Work Order Control Sheet

Work Order#: 2015-08 **Date Opened:** 21 Jan 2015 **Title:** Assembly

Aircraft OEM: Eurocopter **Aircraft Model:** AS350/355 **Product Type:** Cargo Basket, Build/ Assemble **Product Model:** Ski **Quantity:** 1

Work Order Contents

	Initial or N/A
Work Order/Build Sheets (Procedures Provided)	JR
Additional Work Sheets (Standard Practice)	N/A
Drawings (See List Below)	JR
Parts Distribution Sheet	JR
Sub Component Tags	N/A
Completed Certification	JR
Time Sheet (R&D)	N/A
Notes	N/A

Build Sheet Contents

	Initial or N/A
Tasks Initialled	JR
Dual Inspections Initialled	JR

Drawing List

Drawing #	Rev #	Description	Initial or N/A
94023	0	Mount Hoop	JR
94010	1	Basket	JR
94011	0	Body	JR
94012	0	Lid	JR
94027	0	Data Plate	JR

Traveller

	Initial or N/A
Install walkway on lid	MR
Install lid on basket body	MR
Re-tap mounting lug holes and install mount lugs	MR
Install handle brackets	MR
Install handle	MR
Install lid prop	MR
Install data plate	MR

Component Completion

	As Instructed
Quantity Complete on This Work Order	1
Quantity Incomplete on This Work Order	N/A
Further Processing Required Before Release	N/A
Release to Stock as Components	N/A

Certification

	Initial or N/A
Form One Completed	JR
Serviceable (Green) Tag Completed	N/A
In Process (Yellow) Tag Completed	N/A
Unserviceable (Red) Tag Completed	N/A
Parts Placed in Stores for Distribution	N/A

Additional Documentation

	Initial or N/A
Documentation of a minor change	N/A
Non-Conformance Report Required	N/A
Service Difficulty Report Required	N/A

Billing

	Initial or N/A
Local (Aero Design)	JR
Research and Development	N/A
Third Party	N/A

Work performed by:	Print: J Rekve for M Rekve	Sign:	SCA: AD01	Date: 23-Jan-15
ICC / Dual Inspection preformed by:	Print: Jeff Clarke	Sign:	SCA: AD02	Date: 23-Jan-15
Work Order closed by:	Print: Jason Rekve	Sign:	SCA: AD01	Date: 30-Jan-15

:HERRY® Brand Aerospace Fasteners

)O NOT OPEN BAG UNTIL FASTENERS ARE TO BE USED

Contents may become contaminated or lose their lubricant, which may effect installation performance.

PORTANT: BLIND FASTENERS ARE NOT ALWAYS INTERCHANGEABLE WITH -BLIND FASTENERS. CONSULT WITH THE AIRCRAFT ORIGINAL EQUIPMENT MANUFACTURER FOR PROPER APPLICATION OF THIS PRODUCT.

ACCEPT NO SUBSTITUTES™

HERRY® AEROSPACE
SPS Fastener Division, a PCC Company

Warner Ave. Box 2157
ıa, CA 92707-0157

ACCEPT NO SUBSTITUTES®

FSCM 11815 CHERRYMAX®

/13 - IR

umber
13-5-02

FAA-TSO-C148

Lot Number
87857602

Hole Size
.160-.164

Grip Range
.063-.125

QTY:
100

N FULL COMPLIANCE WITH THE FOLLOWING
SO PART NUMBER(S)

5-2	NAS9301BNS-5-02
)1B-5-02	MBBN3012L4002
2-5-02	CAN43078B5-2
05-5-02	ASNA0078A502

CHERRY®
AEROSPACE

1224 East Warner Avenue
Santa Ana, CA 92705 USA
w.cherryaerospace.com • phone: +1 714.545.5511

FSCM 11815

Aero Design Ltd.
9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 100
PN: CR3213-5-02
Aircraft: All
Description: Rivet
Supplier: Blue Sky Industries
Color: N/A
WO#: N/A

Model:

PO# 14084

WO 2015-08
AS350 XL BASKET ASSY

CÁRGO BASKET ASSEMBLY - COMMON

General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

Bell 206L/407 – Right side only
69810, Revision 3 – Standard Low Mounted Basket
94510, Revision 0 – Extra-Wide Low Mounted Basket
94610, Revision 0 – Extra-Wide Low Mounted Ski Basket
76610, Revision 0 – High Mounted Ski Basket

Eurocopter AS350/AS355 – left or right
77610, Revision 1 – Short Basket
76410, Revision 3 – Medium Basket (left or right)
78410, Revision 2 – Long Basket
94010, Revision ~~0~~ 1 JC – Extra Large (ski) Basket

Robinson R44 – left or right
90610, Revision 0 – Standard Basket (left or right)

Bell 206B – right side only
80210, Revision 0 – Short Basket
80310, Revision 0 – Medium Basket
81110, Revision 0 – Long Basket

Bell 429 – right or left
95911, Revision 0 – Standard Basket

Bell Medium – left or right
75111, Revision 0 – Standard Basket
95511, Revision 0 – Extra Large (ski) Basket

MD600
82811, Revision 0 – Standard Basket

Options
70405, Revision 3? – Lid Walkway

Draft

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

Work Order: 2015-08

Date Open: 21 JAN 2015

1. Lid Assembly _____
    a. Install lid bumpers on bottom.
        i. Fill bumper holes with RTV silicone sealant.
        ii. Insert 49205-14 lid bumper, 3 or 4 places per lid.

    b. Install placard on bracket on top of lid.
        i. Locate placard on bracket.
        ii. Drill #30 through placard and bracket, using holes in placard.
        iii. Remove placard and de-burr holes in placard and on bracket.
        iv. Locate placard on bracket, and cleco in place.
        v. Rivet placard with four CR3213-4-02 CherryMax rivets.

    c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)
        i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
        ii. Pull tread plate from stock. Shear tread plate to length.
        iii. De-burr edges of tread plate with scotch-brite disc on die-grinder.
        iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
        v. Mark and drill #30 holes:
            1. 0.25" from edge of tread plate, centre on cross members (0.38")
            2. 0.25" from edge of tread plate, middle of each walkway stringer
        vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using ¼" piloted counter bore on both sides.
        vii. De-burr holes in lid tubes.
        viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
        ix. Set tread plate in place, secure with clecos if necessary.
        x. Rivet placard with CR3213-4-02 CherryMax rivets

    d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

2. Body Assembly _____
    a. Install attachment fittings
        i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
        ii. Run 3/8-24 tap into attachment lugs to clear threads.
        iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
        iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
            1. 90610 (Robinson R44) basket only:
                a. Install 1 fitting 906?? in lower forward attachment lug only.
                b. Install 3 96710-01 fittings in remaining locations.
        v. Torque to ??

b. 946 Basket Only: Install Cutout Brace – *must be completed after hinge installation*
   i. Locate 94621-01 Brace over aft cross tube cutout
   ii. Install two AN4-6A bolts and two AN4-30A bolts with NAS1149F0463P washers.
   iii. Torque AN4 bolts to ??

c. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

3. Hinge Installation
   a. Prepare hinge.
      i. Cut hinge to length:
         1. 776, 906 – 54"
         2. 751, 803 – 70"
         3. 698, 764, 945 – 72"
         4. 784 – 90"
         5. 940, 946, 959 – 95"
      ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.

   b. Install hinge on basket
      i. Locate hinge on basket (standard baskets)
         1. centre fore/aft
         2. 0.15" – 0.18" up from bottom edge
      ii. Locate hinge on basket (extra wide baskets)
         1. centre fore/aft
         2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
      iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
      iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
      v. Remove hinge and de-burr holes in hinge and basket rim.
      vi. Cleco hinge to basket with 5/32 clecos.
      vii. Install hinge with CherryMax rivets
         1. CR3523-5-02 monel rivets – last 2 rivets in each end
         2. CR3213-5-02 aluminum rivets – all other locations

   c. Install lid on basket
      i. Locate lid on hinge (all baskets)
         1. center fore/aft
         2. 0.15" – 0.18" down from top edge
      ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
      iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
      iv. Remove hinge and de-burr holes in hinge and lid rim.
      v. Cleco lid to hinge with 5/32 clecos.
      vi. Install hinge with CherryMax rivets
         1. CR3523-5-02 monel rivets – last 2 rivets in each end
         2. CR3213-5-02 aluminum rivets – all other locations

d. Record PO of hinge and rivets on attached material tracking list.

4. Install Handle

a. Install handle brackets.
   i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
   ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
   iii. Torque AN3 bolts to ??.

b. Install handle
   i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
   ii. Grease two 36275-01 bushings with ??. Insert into bushings of handle assembly.
   iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
   iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
   v. At first end, remove bolt and repeat step iv.
   vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
   vii. Torque AN3 bolts to ??.

c. Check handle
   i. Operate handle to ensure handle does not bind and springs hold handle in.
   ii. Snap handle into brackets to ensure handle locks.

d. Record PO/WO of all parts used in steps above on attached material tracking list.

5. Install lid brace

a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
d. Ensure brace is seated on lip of bushings before tightening nuts.
e. Torque AN3 bolts to ??
f. Record PO/WO of all parts used in steps above on attached material tracking list.

Complete
(initial or SCA #)
AD02
JC

6. Final Inspection

   Dual inspection by a different person than assembled the basket.

   a. Check for general condition and correct assembly:
      i. Bolts are tight
      ii. Rivets are installed correctly
      iii. Handle operates correctly
      iv. Lid brace operates correctly
   b. Check that PO/WO numbers have been recorded.

Draft

1. Approving Civil Aviation Authority/Country	2. AUTHORIZED RELEASE CERTIFICATE FORM ONE	3.Form Tracking No.
Transport Canada		

4. Organization Name and Address	5. Work Order/Contract/Invoice
AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3	WO2015-08

6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	Cargo Basket	94010-01	1	94001-41	New

12. Remarks

Modified with walkway on lid IAW DCL704; Black

13a. Certifies that the items identified above were manufactured in conformity to:

☒ Approved design data and are in condition for safe operation.

☐ Non approved design data specified in block 12.

~~14a.~~ ☐ ~~CAR 571.10 Maintenance Release~~

~~☐ Other regulation specified in block 12.~~

~~Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the *Canadian Aviation Regulations*.~~

13b. Signature	13c. Approved Organization Number	~~14b. Signature~~	~~14c. Approved Organization Number~~
Jeff Clarke AD02	AMF 73-04		
13d. Name	**13e. Date (dd/mmm/yyyy)**	**~~14d. Name~~**	**~~14e. Date (dd/mmm/yyyy)~~**
Jeff Clarke - AD02	21 Jan 2015		

Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.

Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

LAKELSE

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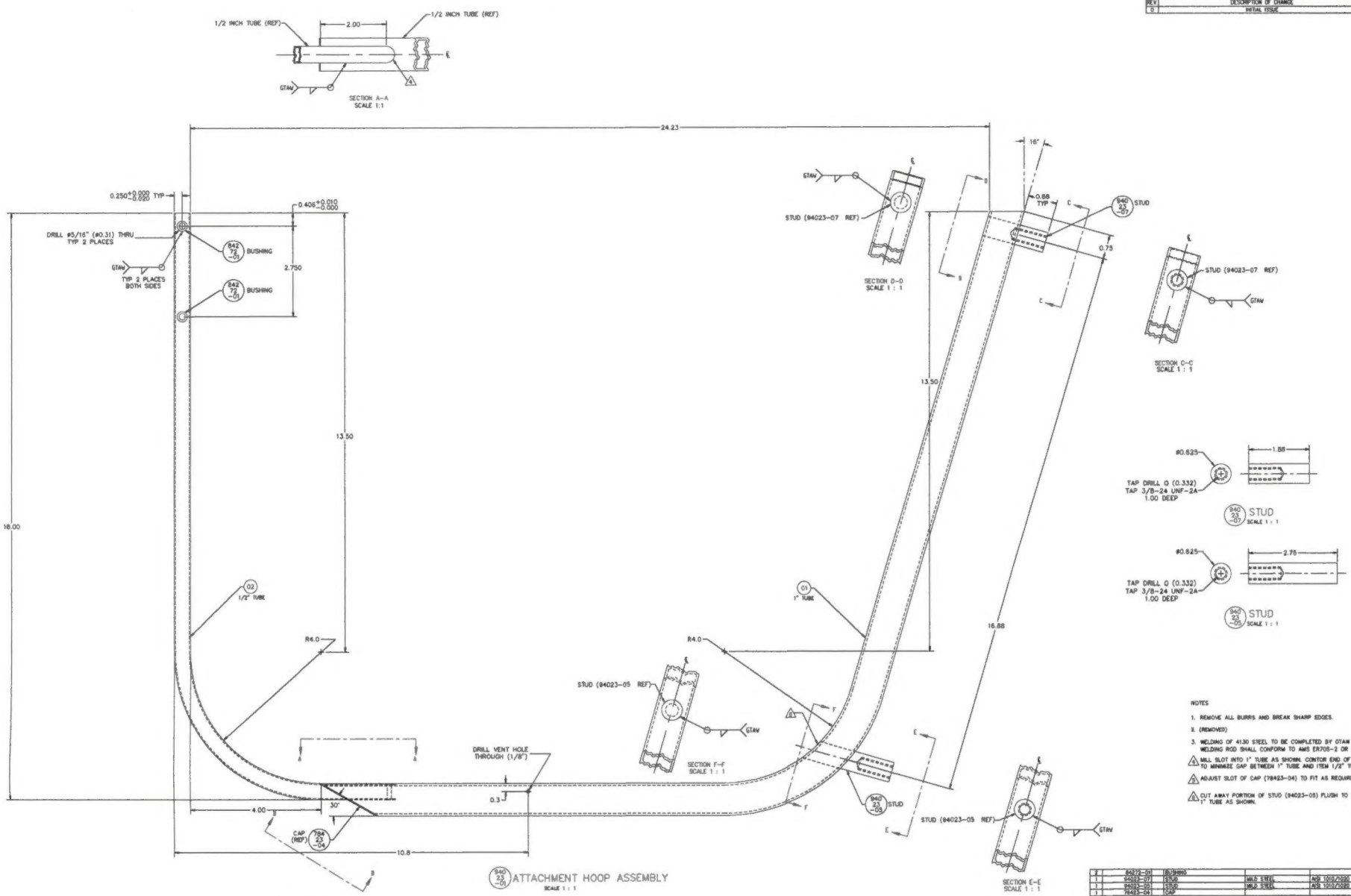
REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. (REMOVED)
3. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS2680C. WELDING ROD SHALL CONFORM TO AMS ER70S-2 OR EQUIVALENT.

4. MILL SLOT INTO 1" TUBE AS SHOWN. CONTOR END OF 1/2" TUBE TO MINIMIZE GAP BETWEEN 1" TUBE AND ITEM 1/2" TUBE.
5. ADJUST SLOT OF CAP (78423-04) TO FIT AS REQUIRED.
6. CUT AWAY PORTION OF STUD (94023-05) FLUSH TO INSIDE SURFACE OF 1" TUBE AS SHOWN.

QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
2	84372-01	B/SHMS				
1	94023-07	STUD		MILD STEEL	AISI 1010/1020	ø0.63 ROD
1	94023-05	STUD		MILD STEEL	AISI 1010/1020	ø0.63 ROD
1	78423-04	CAP				
A/R		02	TUBE 1/2IN	4130 STEEL COND. N	MIL-T-6736	0.5 X 0.035 SQR TUBE
A/R		01	TUBE 1IN	4130 STEEL COND. N	MIL-T-6736	1 X 0.065 SQR TUBE
	94033-01		ATTACHMENT HOOP ASSEMBLY			

LIST OF MATERIALS

APPROVALS		DATE
DRAWN	B. RATHWELL	08 AUG 11
CHECKED	E. BURGOIN	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

DECIMALS		ANGLES
X.XXX	±0.010	±1/2°
X.XX	±0.03	
X.X	±0.1	

AERO DESIGN LTD.
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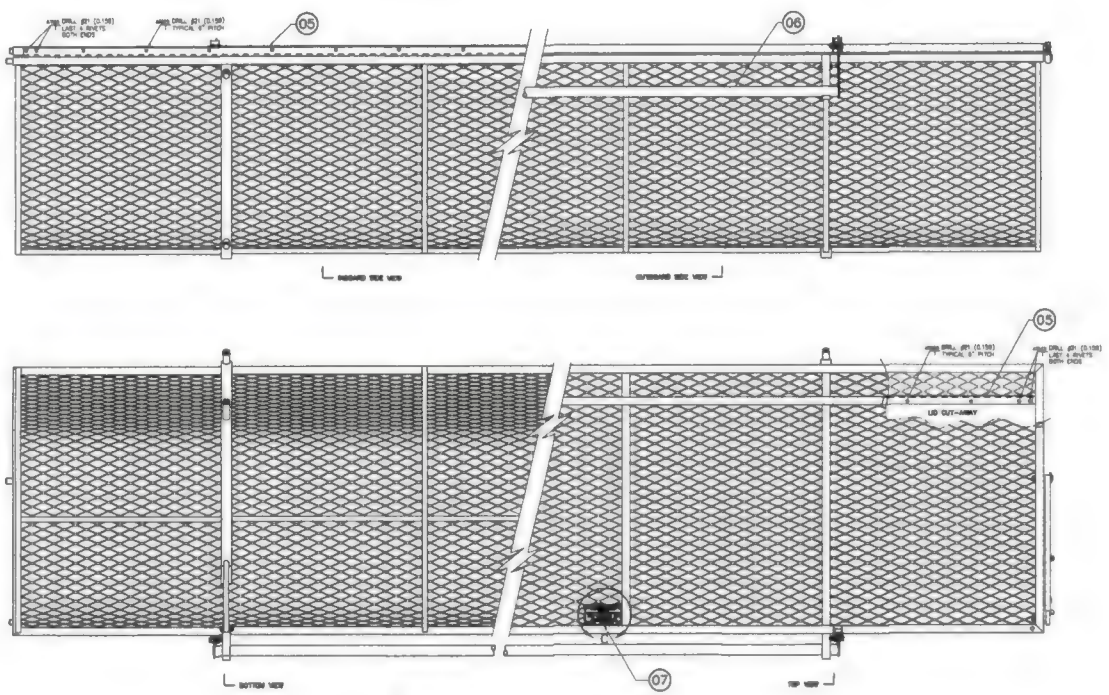
tel: (403) 250-5067 fax: (403) 250-5080 www.aerodesign.ca

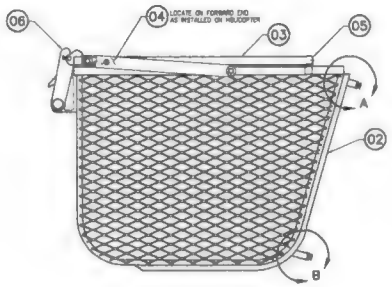
AS350 & AS355 SERIES
QUICK RELEASE CARGO BASKET
ATTACHMENT HOOP ASSEMBLY

SCALE	DWG SIZE	DWG NO	REV
1 : 1	A0	94023	0
SHEET 1 OF 1			

REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	UPDATE TITLE BLOCK, ADD ALTERNATE RIVETS; HARDWARE P/NS UPDATED; CHANGE BRACE ASSEMBLY TO INSTALLATION.	BJC	18/07/2014



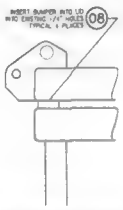
940 10 -01 CARGO BASKET ASSEMBLY – RH



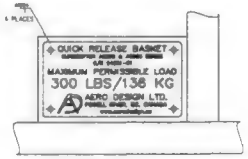
DETAIL A
SCALE 1 : 2
TYPICAL FRONT AND REAR

DETAIL B
SCALE 1 : 2
TYPICAL FRONT AND REAR

NOTE:
1 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS



BUMPER INSTALLATION
SCALE 1 : 1



DETAIL C
SCALE 1 : 1
LOOKING AT PLACARD BRACKET

A/R	NAS1149F0663P	WASHER			
4	9670-01	FITTING		ALTERNATE AMORA RC088-14	
B	CR3523 3 02	CHERRY RIVET		ALTERNATE HUCKMAX HR3523-3-02	
A/R	CR3213 3 02	CHERRY RIVET		ALTERNATE HUCKMAX HR3213-3-02	
4	CR3213 4 02	CHERRY RIVET		ALTERNATE HUCKMAX HR3213-4-02	
4	42205 4 05	BUMPER		ARCUS INDUSTRIES	
1	8480T 02 07	PLACARD			
1	6425T 02 08	HANDLE BAR INSTALLATION			
1	MS20900F4 01	BLIND HINGE			99 INCHES LONG
1	8424G 02 09	E BRACE INSTALLATION			
1	6407J 01 03	BASKET LID ASSEMBLY			
1	940T 01 02	BASKET BODY ASSEMBLY			
	9420-01	CARGO BASKET ASSEMBLY			
01	PART NO	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY						

LIST OF MATERIALS

BASIC CODE REF NAS 523	DASH NO FOR DIAMETER	APPROVALS	DATE
	Nutsert HEAD NEAR SIDE	DRAWN R RASHWELL	20 OCT 2011
C=COUNTERSUNK	Fastnut HEAD FAR SIDE	CHECKED C BURGOIN	
D=DIMPLE	DASH NO FOR LENGTH		
DIGIT=# OF SHEETS TO BE DIMPLED		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	
BASIC CODES		DECIMALS	ANGLES
BJ = MS20470AD	INSTALL NEW RIVET	X.XXX ±0.010	±1/2°
BB = MS20426AD	REMOVE/REPLACE RIVET	X.XX ±0.03	
ARN = CR3213		X.X ±0.1	
ATN = CR3523	EXISTING RIVET		

AERO DESIGN LTD.
10984 MAMPRIDGE ROAD
POWELL RIVER BC CANADA V8A 0G3
TEL: 604.485.8974 www.aerodesign.ca

EUROCOPTER AS350 & AS355 SERIES
QUICK RELEASE CARGO BASKET
BASKET ASSEMBLY (EXTRA LARGE)

SCALE 1 : 4	DWG SIZE	DWG NO	REV
SHEET 1 OF 1	A0	94010	1

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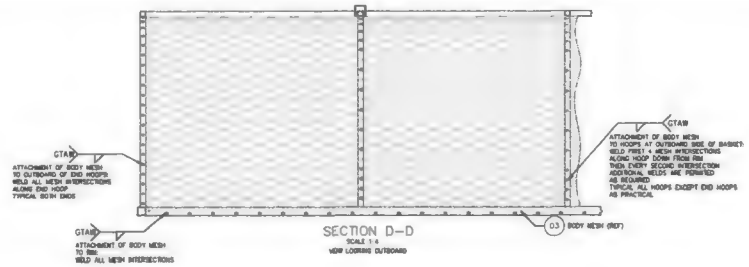
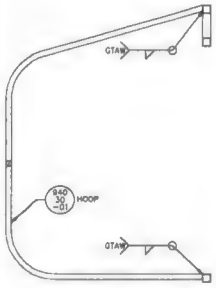
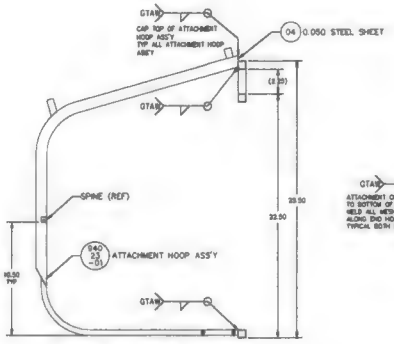
REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



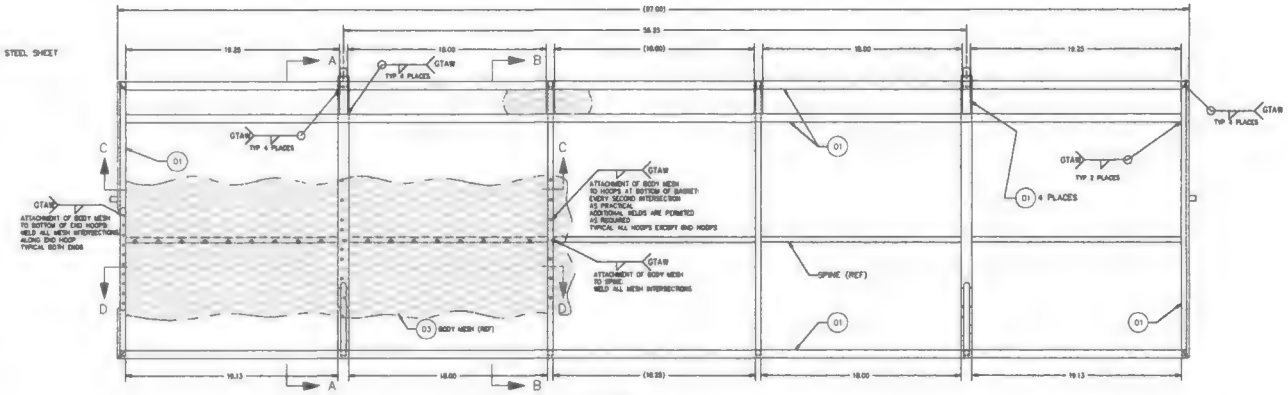
SECTION D-D
SCALE 1:4
VIEW LOOKING OUTBOARD



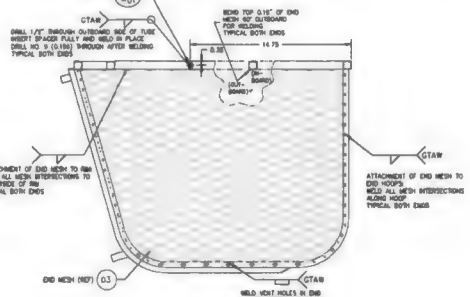
SECTION B-B
SCALE 1:4
SECTION TYP 2 PLACES



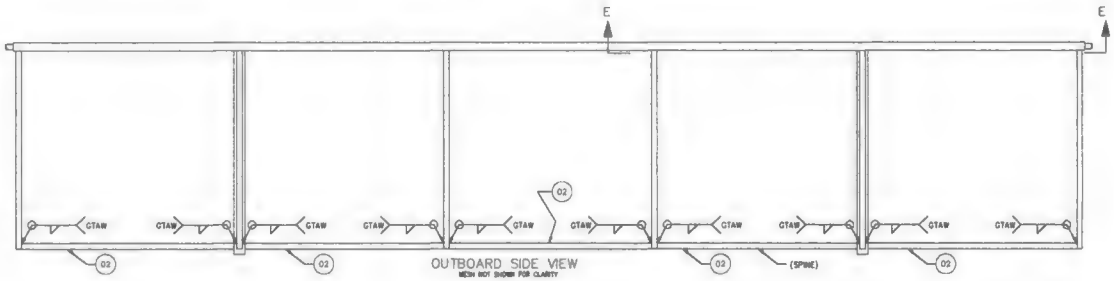
SECTION A-A
SCALE 1:4
SECTION TYP 2 PLACES



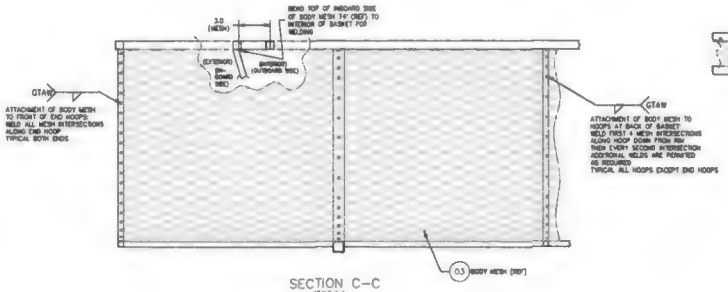
TOP VIEW



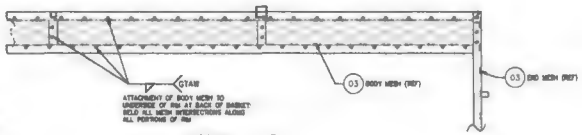
END VIEW
ENDS OPOSITE



OUTBOARD SIDE VIEW
MESH NOT SHOWN FOR CLARITY



SECTION C-C
SCALE 1:4
VIEW LOOKING INBOARD



SECTION E-E
SCALE 1:4

NOTES:
1. REMOVE ALL BURRS AND BREAK SHARP EDGES
2. PRIOR TO WELDING, DRILL 1/16" VENT HOLES IN ASSEMBLY FOR VENTING OF WELD GASES. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
3. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AWS D8.8C.
   WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT
4. FINISH: THOROUGHLY CLEAN AND POWDER COAT BASKET WELDED ASSEMBLY

QTY	PART NO	ITEM	DESCRIPTION	MATERIAL/NOTE	MATERIAL SPEC	STOCK SIZE
A/R		04	STEEL SHEET	MILD STEEL SHEET		SHEET THICKNESS 0.050
A/R	3/4 - 18F	03	MESH	STEEL	STEEL	
3	49315-01		SPACER			
4	94033-01		HOOP			
2	94023-01		ATTACHMENT HOOP			
A/R		02	SQUARE TUBE	4130 STEEL COND. N	MIL-T-6736	0.5 X 0.035 SQR TUBE
A/R		01	SQUARE TUBE	4130 STEEL COND. N	MIL-T-6736	0.75 X 0.035 SQR TUBE
	94011-01		BASKET BODY ASSEMBLY			

LIST OF MATERIALS

APPROVALS		DATE
DRAWN	R RAWNELL	09 AUG 11
CHECKED	E GURGOSH	

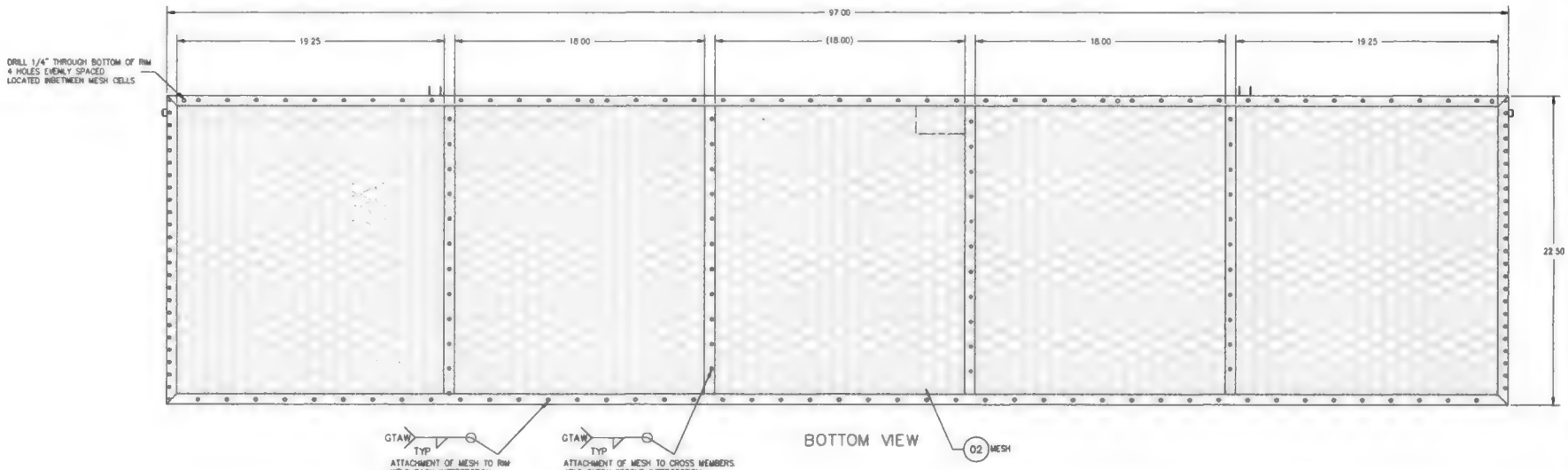
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON:
DECIMALS X.XXX ±0.010, X.XX ±0.03, X.X ±0.1
ANGLES ±1/2°

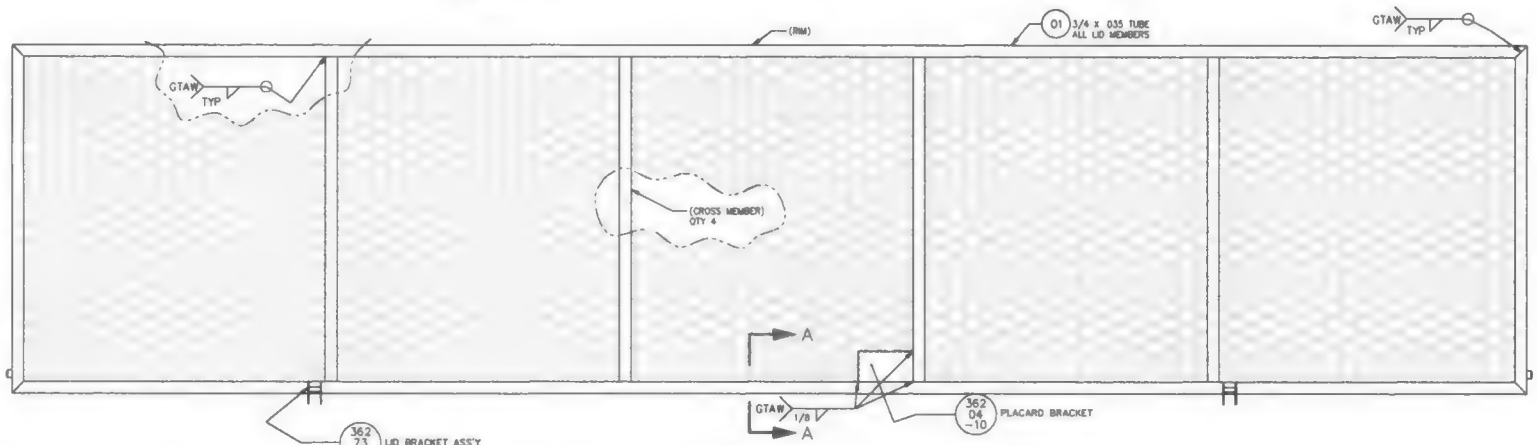
AERO DESIGN LTD.
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 0096
6015 - 50TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T3E 6E7
tel: (403) 625-0007 fax: (403) 625-2020 www.aerodesign.ca

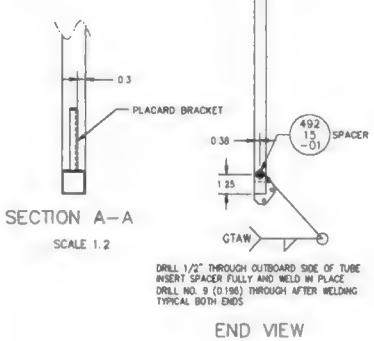
AS350 & AS355 SERIES
QUICK RELEASE CARGO BASKET
BASKET ASSEMBLY

SCALE 1 : 4	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A0	94011	0

REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		







QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL/NOTE	MATERIAL SPEC	STOCK SIZE
1	36204-10		PLACARD BRACKET			
2	36273-01		LID BRACKET ASS'Y			
2	49216-01		SPACER			
A/R	3/4 - 16F	02	MESH	STEEL	STEEL	
A/R		01	SQUARE TUBE	4130 STEEL COND N	MIL-T-6736	0.75 X 0.035 SQR TUBE
	94012-01		LID ASSEMBLY			

LIST OF MATERIALS

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES
2. PRIOR TO WELDING, DRILL 1/16" VENT HOLES IN ASSEMBLY FOR VENTING OF WELD GASES. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD
3. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS 2685C WELDING ROD SHALL CONFORM TO ER705-2 OR EQUIVALENT
4. FINISH: THOROUGHLY CLEAN AND POWDER COAT LID WELDED ASSEMBLY

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APPROVALS		DATE
DRAWN	R. RATHWELL	05 AUG 11
CHECKED	E. BURGOIN	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON:

DECIMALS		ANGLES
X.XXX	±0.010	±1/2°
X.XX	±0.03	
X.X	±0.1	

AERO DESIGN LTD.
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2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7
tel: (403) 250-8287 fax: (403) 250-2888 www.aerodesign.ca

AS350 & AS355 SERIES
QUICK RELEASE CARGO BASKET
LID ASSEMBLY

SCALE 1:4	DWG SIZE	DWG NO	REV
SHEET 1 OF 1	A1	94012	0

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		

NOTES

1. ENGRAVE 0.007 DEEP AS FOLLOWS:
   "QUICK RELEASE BASKET" – 0.125 HIGH
   "EUROCOPTER AS350 & AS355 SERIES" – 0.080 HIGH
   "S/N 94001–XX" – 0.080 HIGH
   "MAXIMUM PERMISSIBLE LOAD" – 0.125 HIGH
   "300 LBS/136 KG" – 0.200 HIGH
   "AERO DESIGN LTD." – 0.125 HIGH
   "CALGARY, ALBERTA, CANADA" – 0.080 HIGH
   "403–250–8027" – 0.080 HIGH

01 PLACARD

PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
94027–01	01	PLACARD	6061–T6 ALUMINUM	QQ–A–250/11	0.063 SHEET

LIST OF MATERIALS

-- NOTICE --
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APPROVALS		DATE
DRAWN:	R. RATHWELL	OCT 3, 2011
CHECKED:	E. BURGOIN	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
TOLERANCES ON:

DECIMALS		ANGLES
X.XXX	±0.010	±1/2°
X.XX	±0.03	
X.X	±0.1	

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tel: (403) 250–8027 fax: (403) 250–8333 www.aerodesign.ca

EUROCOPTER AS350 & AS355 SERIES
LARGE QUICK RELEASE CARGO BASKET
PLACARD

SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A1	94027	0

Work Order: 2015-08

Date Opened: 21 JAN 2015

Material Tracking Sheet
Eurocopter AS350 / AS355
Extra Large Basket Assembly

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
	1		94010-01	**Cargo Basket Assembly**	S/N 94001-41	
Step 1				*Lid Assembly*		
	. 1		94012-01	Basket Lid Assembly		WO 2014-83
Step 1.a.	. . 4		49205-14	Bumper	Argus Industries Bumper	13042
	. . A/R		--	Sealant	Commercial Silicone RTV sealant	
Step 1.b.	. . 1		94027-01	Placard	0.063 Sheet, 6061-T6 Aluminum	S/N 94001-41
	. . 4		CR3213-4-02	Cherry Rivet		14084
Step 1.c.	. 1		70405-01	Lid Step Modification		
(option)	. . 1		70405-04	Tread Plate	3003 Aluminum Tread Plate, 0.063"	14074
	. . A/R		CR3213-4-02	Cherry Rivet		14084
	. . A/R		--	Sealant	Commercial Silicone RTV sealant	
Step 2				*Basket Assembly*		
Step 2.a.	. 1		94011-01	Basket Body Assembly		WO 2014-83
	. . 4		96710-01	Fitting	Alternate: Ancra 40088-14	12089
	. . 8		AN960-616	Washer		13084
Step 3				*Hinge Installation*		
	. 1		MS20001P4	Piano Hinge	95"	13089
	. 8		CR3523-5-02	Cherry Rivet		14080
	. A/R		CR3213-5-02	Cherry Rivet		14084
Step 4	. 1		84255-01	*Handle Installation*		
Step 4.a.	. . 2		84267-01	Bracket	Delrin, ¾" Sheet	WO 2015-02
	. . 4		AN3-11A	Bolt		14001
	. . 8		NAS1149F0363P	Washer		14049 ~~14084~~
	. . 4		MS21044N3	Nut		13084

Work Order: 2015-08

Date Opened: 21 JAN 2015

Material Tracking Sheet
Eurocopter AS350 / AS355
Extra Large Basket Assembly

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
Step 4.b.	. . 1		84261-01	Handle Assembly		
	. . 2		36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	13085
	. . 2		36275-01	Bushing	Brass, 5/16" Dia 203-63	
	. . 2		AN3-12A	Bolt		13084
	. . 4		NAS1149F0363P	Washer		14048
	. . 2		MS21044N3	Nut		13084
Step 5				*Lid Brace Installation*		
	. 1		36280-01	Brace Assembly		WO 2014-63
	. 1		AN3-15A	Bolt		14084
	. 1		AN3-17A	Bolt		14048
	. 2		AN970-3	Washer		13084
	. 3		NAS1149F0363P	Washer		14048
	. 2		MS21044N3	Nut		13084
Step 6				*Inspection*	*None*	

Aero Design

Parts Distribution Sheet

Description: Basket Assembly Kit

WO# 2015-08

From PO or WO #	Quantity	Description	Part Number	For WO #
14001	4	Bolt	AN3-11A	
13084	2	Bolt	AN3-12A	
13084	1	Bolt	AN3-15A	
14084	1	Bolt	AN3-17A	
14048	15	Washer	NAS1149FO363P	
13084	8	Washer	NAS1149FO663P	
13084	2	Washer	AN970-3	
13084	8	Nut	MS21044N3	
2013-63	2	Bushing	36275-01	
13085	1	Spring	36278-01R	
13085	1	Spring	36278-01L	
13042	4	Mount Lug	96710-01	
11010	4	Bumper	49205-14	

1. Approving Civil Aviation Authority/Country	2. AUTHORIZED RELEASE CERTIFICATE FORM ONE	3.Form Tracking No.
Transport Canada		

4. Organization Name and Address	5. Work Order/Contract/Invoice
AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3	WO2015-08

6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	Cargo Basket	94010-01	1	94001-41	New

12. Remarks

Modified with walkway on lid IAW DCL704; Black

13a. Certifies that the items identified above were manufactured in conformity to:	~~14a.~~ ☐ ~~CAR 571.10 Maintenance Release~~
☒ Approved design data and are in condition for safe operation.	~~☐ Other regulation specified in block 12~~
☐ Non approved design data specified in block 12.	~~Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the *Canadian Aviation Regulations*.~~

13b. Signature	13c. Approved Organization Number	~~14b. Signature~~	~~14c. Approved Organization Number~~
Jf Clk. AD02	AMF 73-04		
13d. Name	**13e. Date (dd/mmm/yyyy)**	**~~14d. Name~~**	**~~14e. Date (dd/mmm/yyyy)~~**
Jeff Clarke - AD02	21 Jan 2015		

Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.

Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country	2. AUTHORIZED RELEASE CERTIFICATE FORM ONE	3.Form Tracking No.
Transport Canada		

4. Organization Name and Address	5. Work Order/Contract/Invoice
AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3	WO2013-60

6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	Clamp Assembly	78620-01	4	N/A	New

12. Remarks

13a. Certifies that the items identified above were manufactured in conformity to:	~~14a.~~ ☐ ~~CAR 571.10 Maintenance Release~~
☒ Approved design data and are in condition for safe operation.	~~☐ Other regulation specified in block 12~~
☐ Non approved design data specified in block 12.	~~Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the *Canadian Aviation Regulations*.~~

13b. Signature	13c. Approved Organization Number	~~14b. Signature~~	~~14c. Approved Organization Number~~
Jf Clk. AD02	AMF 73-04		
13d. Name	**13e. Date (dd/mmm/yyyy)**	**~~14d. Name~~**	**~~14e. Date (dd/mmm/yyyy)~~**
Jeff Clarke - AD02	21 Jan 2015		

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1. Approving Civil Aviation Authority/Country	2. AUTHORIZED RELEASE CERTIFICATE FORM ONE	3.Form Tracking No.
Transport Canada		

4. Organization Name and Address	5. Work Order/Contract/Invoice
AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3	WO2013-58

6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	RH Aft Beam	78633-01-01	1	N/A	New
2.	Forward Beam	78634-01-00	1		

12. Remarks

Black

13a. Certifies that the items identified above were manufactured in conformity to:	~~14a. ☐ CAR 571.10 Maintenance Release~~
☒ Approved design data and are in condition for safe operation.	~~☐ Other regulation specified in block 12~~
☐ Non approved design data specified in block 12.	~~Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.~~

13b. Signature	13c. Approved Organization Number	~~14b. Signature~~	~~14c. Approved Organization Number~~
Jeff Clarke. AD02	AMF 73-04		
13d. Name	**13e. Date (dd/mmm/yyyy)**	**~~14d. Name~~**	**~~14e. Date (dd/mmm/yyyy)~~**
Jeff Clarke - AD02	21 Jan 2015		

Installer Responsibilities

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1. Approving Civil Aviation Authority/Country	2. AUTHORIZED RELEASE CERTIFICATE FORM ONE	3.Form Tracking No.
Transport Canada		

4. Organization Name and Address	5. Work Order/Contract/Invoice
AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3	WO2012-25

6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	Step Assembly	82716-01	1	N/A	New

12. Remarks

13a. Certifies that the items identified above were manufactured in conformity to:	~~14a. ☐ CAR 571.10 Maintenance Release~~
☒ Approved design data and are in condition for safe operation.	~~☐ Other regulation specified in block 12~~
☐ Non approved design data specified in block 12.	~~Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.~~

13b. Signature	13c. Approved Organization Number	~~14b. Signature~~	~~14c. Approved Organization Numb~~
Jeff Clarke. AD02	AMF 73-04		
13d. Name	**13e. Date (dd/mmm/yyyy)**	**~~14d. Name~~**	**~~14e. Date (dd/mmm/yyyy)~~**
Jeff Clarke - AD02	21 Jan 2015		

Installer Responsibilities

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1. Approving Civil Aviation Authority/Country	2. AUTHORIZED RELEASE CERTIFICATE FORM ONE	3.Form Tracking No.
Transport Canada		

4. Organization Name and Address	5. Work Order/Contract/Invoice
AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3	WO2014-54

6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	Step Assembly	82711-01-01	1	N/A	New

12. Remarks

13a. Certifies that the items identified above were manufactured in conformity to:

☒ Approved design data and are in condition for safe operation.

☐ Non approved design data specified in block 12.

~~14a. ☐ CAR 571.10 Maintenance Release~~

~~☐ Other regulation specified in block 12~~

~~Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the *Canadian Aviation Regulations*.~~

13b. Signature	13c. Approved Organization Number	~~14b. Signature~~	~~14c. Approved Organization Number~~
AD02	AMF 73-04		
13d. Name	**13e. Date (dd/mmm/yyyy)**	**~~14d. Name~~**	**~~14e. Date (dd/mmm/yyyy)~~**
Jeff Clarke - AD02	21 Jan 2015		

Installer Responsibilities

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